HIGH IMPACT - GAS DISTRIBUTION

Name of Operator:	
H.Q. Address:	**Unit Name and Address:**
Co. Official: **Phone No.:** **Fax No.:** **Emergency Phone No.:** **Operator ID#:**	**Phone No.:** **Fax No.:** **Emergency Phone No.:** **Unit Record ID#:** **Inspection Record ID#:**
UREC#(s) of adjacent operator Units:	

Persons Interviewed	Titles	Phone No.

OPS Representative(s): **Date(s):**

Company System Maps (copies for Region Files)**:**

Unit Description:

Portion of Unit Inspected:

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SCREENING QUESTIONS (Unit Specific)		
Does the operator have any:	**Yes**	**No**
# high pressure distribution lines?		
# low pressure distribution lines?		
# transmission lines?		
# bare or ineffectively coated pipe?		
# unprotected pipe (not cathodically protected)?		
# cast iron pipe?		
# plastic pipe?		
# Pre 1970 ERW pipe (low frequency)?		
# PVC pipe?		
# gas storage facilities?		
# compressor stations?		
# history of internal corrosion problems?		
# Any construction plans? (if Yes, see table below)		

PIPELINE CONSTRUCTION INFORMATION		
Location	**Length, miles or feet**	**Date Planned**

GAS SYSTEM OPERATIONS	
Gas Supplier:	Date:
Unaccounted for gas:	Services: Residential Commercial Industrial: Other:

Operating Pressure(s):	MAOP (Within last year)	Actual Operating Pressure (At time of Insepction)
Feeder:		
Town:		
Other:		

Does the operator have any transmission pipeline (above 20% SMYS):

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PART 192						
.605(a)	**NORMAL OPERATING PROCEDURES**		**S**	**U**	**N/A**	**N/C**
	? .605(b)(3)	Making construction records, maps, and operating history available to appropriate operating personnel?				
	? .605(b)(5)	Start up and shut down for the pipeline to assure operation with the MAOP plus allowable buildup. (See SCADA guidance.)				
.605(a)	**CHANGE in CLASS LOCATION PROCEDURES**					
	.609	Class location study				
	.611	Confirmation of revision of MAOP				
.613	**CONTINUING SURVEILLANCE PROCEDURES**					
	? .613(a)	Including: change in class location; failures; leakage history; corrosion; substantial changes in CP requirements; and unusual operating and maintenance				
.605(a)	**DAMAGE PREVENTION PROGRAM PROCEDURES**					
	? .614	Participation in a qualified one-call program, or if available, a company program				
		(1) Identify persons who engage in excavating?				
		(2) Provide notification to the public in the One Call area?				
		(3) Provide means for receiving and recording notifications of pending				
		(4) Provide notification of pending excavations to the members?				
		(5) Provide means of temporary marking for the pipeline in the vicinity of the				
		(6) Provides for follow-up inspection of the pipeline where there is reason to				
		(i) Inspection must be done to verify integrity of the pipeline.				
		(ii) After blasting, a leak survey must be conducted as part of the inspection by				
	EXCESS FLOW VALVE INSTALLATION/NOTIFICATION					
.13(c)	.383	Does the operator have a voluntary installation program for excess flow valves and				
	.381	If EFV's are installed, do they meet the performance requirements of §192.381?				
	.383	If the operator does not have a voluntary program for EFV installations, are customers notified in accordance with §192.383? Are records adequate?				
.615	**EMERGENCY PROCEDURES**					
	? .615(a)(1)	Receiving, identifying, and classifying notices of events which require immediate response by the operator?				
	.615(a)(2)	Establish and maintain communication with appropriate public officials regarding possible emergency?				
	? .615(a)(3)	Prompt response to each of the following emergencies:				
		(i) Gas detected inside a building.				
		(ii) Fire located near a pipeline.				
		(iii) Explosion near a pipeline.				
		(iv) Natural disaster.				
	? .615(a)(4)	Availability of personnel, equipment, instruments, tools, and material required at the scene of an emergency.				

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.615	EMERGENCY PROCEDURES (con't)		S	U	N/A	N/C
	? .615(a)(5)	Actions directed towards protecting people first, then property.				
	? .615(a)(6)	Emergency shutdown or pressure reduction to minimize hazards to life or property.				
	? .615(a)(7)	Making safe any actual or potential hazard to life or property.				
	? .615(a)(8)	Notifying appropriate public officials required at the emergency scene and coordinating planned and actual responses with these officials/				
	? .615(a)(9)	Instructions for restoring service outages after the emergency has been rendered safe.				
	? .615(a)(10)	Investigating accidents and failures as soon as possible after the emergency.				
	? .615(b)(1)	Furnishing applicable portions of the emergency plan to supervisory personnel who are responsible for emergency action?				
	? .615(b)(2)	Training appropriate employees as to the requirements of the emergency plan and verifying effectiveness of training.				
	? .615(b)(3)	Reviewing activities following emergencies to determine if the procedures were effective.				
	? .615(c)	Establish and maintain liaison with appropriate public officials, such that both the operator and public officials are aware of each other's resources and capabilities in dealing with gas emergencies.				
.605(a)	**MAOP PROCEDURES**					
	? .619	Establishing **MAOP** so that it is commensurate with the class location?				
		MAOP can be determined by:				
		(a) Design and test or				
		(b) By highest operating pressure to which the segment of line was subjected between **July 1, 1965** and **July 1, 1970**. In case of offshore gathering lines, for the **5 years** preceding **July 1, 1976**.				
.605(b)	**PATROLLING PROCEDURES**					
	? .705(a)	Patrolling ROW conditions and follow-up.				
	? .705(b)	Maximum interval between patrols of lines.				

Class Location	At Highway and Railroad Crossings	At All Other Places
1 and 2	**2/yr (7½months)**	**1/yr (15 months)**
3	**4/yr (4½ months)**	**2/yr (7½ months)**
4	**4/yr (4½ months)**	**4/yr (4½ months)**

.605(b)	TRANSMISSION LINE LEAKAGE SURVEY PROCEDURES					
	? .706(a)	Leakage surveys are required at intervals not exceeding **15 months** but at least **once each calendar year**?				
	? .706(b)	Leak detector survey requirements for lines transporting unodorized gas:				
		! **Class 3** locations - **7½ months** but at least **twice each calendar year**.				
		! **Class 4** locations - **4½ months** but at least **4 times each calendar year**.				

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			S	U	N/A	N/C
.605(b)	**DISTRIBUTION SYSTEM LEAKAGE SURVEY PROCEDURES**					
	? .706(b)(1)	Leakage surveys are required in business districts at intervals not exceeding 15 months but at least once each calendar year.				
	? .706(b)(2)	Leakage surveys are required outside business districts at intervals not exceeding 5 years and for cathodically unproteced distribution lines at intervals not exceeding 3 years.				
.605(b)	**COMPRESSOR STATION PROCEDURES**					
	? .731	Compressor station: testing of remote control shutdowns and pressure relieving devices, except rupture discs, must be tested (**annually/15 months**) and inadequate components must be repaired or replaced.				
.605(b)	**PRESSURE LIMITING and REGULATING STATION PROCEDURES**					
	? .739	Each pressure limiting station, relief device (except rupture discs), and pressure regulating station and its equipment must be tested and inspected. (**annually/15 months**)				
		(a) In good mechanical condition.				
		(b) Adequate from the standpoint of capacity and reliability of operation for the service in which it is employed.				
		(c) Set to function at the correct pressure.				
		(d) Properly installed and protected from dirt, liquids or other conditions that might prevent proper operation.				
	? .743	Capacity reviews. (**annually/15 months**)				
		(a) In place physical test (if feasible).				
		(b) Calculation review required.				
		(c) Correct deficiencies.				
	? .741	Telemetering or Recording Gauges				
		(a) In place to indicate gas pressure in the district that is supplied by more than one regulating station.				
		(b) Determine the need in a distribution system supplied by only one district station.				
		(c) Inspect equipment and take corrective measures when indications of abnormally high or low pressure.				
.605(b)	**VALVE MAINTENANCE PROCEDURES**					
	? .745	Inspect and partially operate each transmission valve that might be required during an emergency (**annually/15 months**).				
	? .747	Check and service each valve which may be necessary for the safe operation of the distribution system (Annually/15 months). (**annually/15 months**).				
.13(c)	**WELDING PROCEDURES**					
	? .243(a)	Nondestructive testing of welds must be performed by any process, other than				
.273(b)	**JOINING of PIPELINE MATERIALS**					
	.281	Joining of plastic pipe.				
		! Type of plastic used				
		! Proper markings in accordance with .63				
		! Manufacturer				
		! Type of joint used				
	.283	Qualified joining procedures for plastic pipe must be in place.				
	.285	Persons making joints with plastic pipe mustr be qualified.				
	.287	Persons inspecting plastic joints must be qualified.				

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.605(b)		CORRECTION CONTROL PROCEDURES	S	U	N/A	N/C
	? .453	Are corrosion procedures established for:				
		! Design.				
		! Installation.				
	? .455(a)	Pipelines installed after **July 31, 1971**; are the buried segments externally coated and cathodically protected within **one year**?				
	? .455(b)	Was the pipeline installed bare?				
		! If **Yes**, has the operator proved that a corrosive environment does not exist?				
		! Conducted tests within **6 months** to confirm the above?				
	? .457(a)	All effectively coated steel transmission pipelines installed prior to **August 1, 1971**, must be cathodically protected?				
	? .457(b)	Is cathodic protection provided in areas of active corrosion on existing bare or ineffectively coated pipelines?				
	? .459	Examination of buried pipeline when exposed.				
	? .463	Cathodic protection level according to **Appendix D** criteria.				
	? .465(a)	Pipe-to-soil monitoring. (**annually/15 months**)				
	? .465(b)	Rectifier monitoring. (**6 times per year/2½ months**)				
	? .465(c)	Interference bond monitoring. (**as required**)				
	? .467	Electrical isolation. (**including casings**)				
	? .471	Test lead maintenance.				
	? .473	Interference currents.				
	? .477	Internal corrosion control coupon monitoring. (**2 times per year/7½ months**)				
	? .481	Atmospheric corrosion control monitoring. (**3 years**)				
	? .483	Remedial measures (general).				
	? .487	Remedial measures (distribution lines other than cast iron or ductile iron)				
	? .489	Remedial measures (cast iron and ductile iron pipelines)				

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		O&M RECORDS	S	U	N/A	N/C
.605(b)(3)		System Maps				
.603(b)		.614 Damage Prevention (miscellaneous)				
.603(b)		.609 Class location study (if applicable)				
.603(b)		.615(c) Liaison program with Public Officials				
.603(b)		.616 Public Education				
.517		Pressure Testing				
.603(b)		.619 MAOP				
.603(b)		.625 Odorization of Gas				
.603(b)		.705 Patrolling (**refer to table below**)				

Class Location	At Highway and Railroad Crossings	At All Other Places
1 and 2	2/yr (7½months)	1/yr (15 months)
3	4/yr (4½ months)	2/yr (7½ months)
4	4/yr (4½ months)	4/yr (4½ months)

.603(b)		.706	Leak Surveys (**refer to table below**)				

Class Location	Required	Not Exceed
1 and 2	Annually	15 months
3	Bi-Annually	7½ months
4	Quarterly	4½ months

		.723(b)(1)	Leakage Survey - Business District (1 yr / 15 mo)				
		.723(b)(2)	Leakage Survey				
			! Outside business district (5 yrs)				
			! Cathodically unprotected distribution lines (3 yrs)				
.709(a)			Repair - Pipe (**life**)				
.709(b)			Repair - Components (**5 years**)				
.603(b)		.731(a)	Compressor Station Relief Devices (**annually/15 months**)				
.603(b)		.731(c)	Compressor Station Emergency Shutdown (**annually/15 months**)				
.603(b)		.736(c)	Compressor Stations - Detection and Alarms (**performance test**)				
.603(b)		.739	Pressure Limiting and Regulating Stations (**annually/15 months**)				
.603(b)		.743	Pressure Limiting and Regulator Stations - Capacity (**annually/15 months**)				
.603(b)		.745	Valve Maintenance Transmission Lines (**annually/15 months**)				
.603(b)		.747	Valve Maintenance Distribution Lines (**annually/15 months**)				

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			CORROSION CONTROL RECORDS	S	U	N/A	N/C
.491		.491(a)	Maps or Records				
.491		.459	Examination of Buried Pipe when Exposed				
.491		.465(a)	Annual Pipe-to-Soil Monitoring (**annually/15 months**)				
.491		.465(b)	Rectifier Monitoring (**6 times per year/2½ months**)				
.491		.465(c)	Interference Bond Monitoring - Critical (**6 times per year/2½ months**)				
.491		.465(c)	Interference Bond Monitoring - Noncritical (**annually/15 months**)				
.491		.467	Electrical Isolation (**including casings**)				
.491		.471	Test Lead Maintenance				
.491		.473	Interference currents				
.491		.477	Internal Corrosion Control Coupon Monitoring (**Bi-annually/7½ months**)				
.491		.481	Atmospheric Corrosion Control Monitoring (**3 years**)				
.491		.483	Remedial Measures				

		PERFORMANCE REVIEW of FIELD and RECORDS	S	U	N/A	N/C
.163		Compressor Station: Security				
.171		Compressor Station: Fire Fighting Equipment				
.179		Valve Protection from Tampering or Damage				
.463		Cathodic Protection				
.465		Rectifiers				
.479		Pipeline Components exposed to the Atmosphere				
.605		Knowledge of Operating Personnel				
.612(b)		Water Crossings (**if applicable**)				
.707		ROW Markers, Road and Railroad Crossings				
.707		Compressor Station: Signs				
.719		Pre-pressure Tested Pipe (**Markings and Inventory**)				
.731		Compressor Station: Relief Devices and ESDs				
.735		Compressor Station: Storage of Combustibles				
.736		Compressor Station: Gas Detection				
.739		Pressure Limiting and Regulating Devices (**mechanical**)				
.743		Pressure Limiting and Regulating Devices (**capacities**)				
.745		Valve Maintenance				
.751		Warning Signs				